

# CHAPTER SIX

## ENVIRONMENTAL CONSEQUENCES

### 6.A INTRODUCTION

This chapter presents an assessment of the environmental impacts of the Airport Sponsor's Proposed Project and its alternatives, including the No Action Alternative. It also presents a summary of conceptual mitigation measures that the Federal Aviation Administration (FAA) would consider to avoid and minimize potential adverse environmental effects.

The following analysis discloses the impacts for the projected future conditions in 2012 and 2020. The FAA uses 2012 and 2020 as a basis for analysis because 2012 is the projected earliest implementation year of the Airport Sponsor's Proposed Project and 2020, because it represents a future condition after full implementation of the Airport Sponsor's Proposed Project.

Based on the guidance provided by FAA Orders 5050.4B, *NEPA Implementing Instructions for Airport Actions*, and 1050.1E, *Environmental Impacts: Policy and Procedures*, the environmental impacts of the Airport Sponsor's Proposed Project and alternatives have been evaluated under the following categories:

- **Section 6.B, Air Quality**
- **Section 6.C, Noise and Compatible Land Use**
- **Section 6.D, Public Properties/Historic Resources**  
Historic, Architectural, Archeological, and Cultural Resources  
Department of Transportation Act, Section 4(f)/303(c) Properties
- **Section 6.E, Water Resources**  
Water Quality  
Wetlands  
Floodplains  
Coastal Resources
- **Section 6.F, Biological and Natural Resources**  
Fish, Wildlife, and Plants
- **Section 6.G, Hazardous and Waste Materials**
- **Section 6.H, Social and Community Resources**  
Socioeconomic Impacts  
Environmental Justice  
Children's Environmental Health and Safety Risks  
Secondary (Induced) Impacts  
Surface Transportation  
Light Emissions and Visual Impacts  
Natural Resources and Energy Supply  
Construction Impacts

- **Section 6.I, Recognized Categories neither Applicable nor Pertinent to this Proposal**  
Wild and Scenic Rivers  
Farmlands
- **Section 6.J, Conceptual Measures considered for the Avoidance/Mitigation of Adverse Environmental Impacts**

The analysis of environmental impacts compares the effects of the Airport Sponsor's Proposed Project and alternatives to the No Action Alternative. All of the alternatives considered in this Draft Environmental Impact Statement (EIS) are described in detail in Chapter Four, *Alternatives*, including those alternatives that were rejected from further consideration in this Draft EIS.<sup>1</sup>

As stated in 1050.1E, *Environmental Impacts: Policy and Procedures*, the environmental consequences section forms the scientific and analytical basis for comparing the Airport Sponsor's Proposed Project and reasonable alternatives. It includes considerations of direct and indirect effects and their significance and possible conflicts between the Airport Sponsor's Proposed Project and the objectives of Federal, regional, state, tribal, and local land use plans, policies, and controls for the area concerned.

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<sup>1</sup> Some of the alternatives considered in this analysis were rejected for further consideration because they were found not to be reasonable, practicable, prudent, and/or feasible; and did not meet the stated purpose and need.